

30)

$$3b(4-2b)-6b=-b(6b+7)+104$$

$$12b-6b^2-6b=-6b^2+(-7b)+104$$

$$\begin{array}{r} 6b-6b^2=-6b^2-7b+104 \\ +7b+6b^2 \quad +6b^2+7b \\ \hline \frac{13b}{13} = \frac{104}{13} \end{array}$$

$$b=8$$

$$24) \quad -w + 2(5w - 6) - 4w = 3(w + 10)$$

$$\underline{-w} + \underline{10w} - 12 - \underline{4w} = 3w + 30$$

$$\begin{array}{r} 5w - 12 = 3w + 30 \\ -3w + 12 \quad -3w + 12 \\ \hline 2w = 42 \\ \underline{2} \end{array}$$

$$w = 21$$